SOCIUS ENGG. TECH. PVT. LTD.

AN ISO 9001: 2015, MSME. CERTIFIED COMPANY

Test Report on Pre-Polished Cement Conerete Designer Tiles

Name of work:	Providing Stone benches in ward No.01,02,03 & 04
Location:	CRPF Yalahanka
Client:	Assistant Executive Engineer Project, Yelahanka BBMP, Bangalore
Name of the Agency:	Shri B B Umesh
Online WO:	EE(PROJECT)/YNK ZONE/WO/07/2022-23 DATED:15/07/2022
Condition of Samples:	Satisfactory
Test According to:	IS: 1237-1980 (Reaffirmed 2006)
Date of Testing:	10-08-22

I. Wet Transverse Strength Test:

Sl. No.	Measured Dimension in mm	Wet Transverse Strength Test N/mm²	Average N/mm²	Requirement as per IS: 1237-1980(Reaffirmed 2006)
1	300x300x24.8	6.6	6.65	The average wet transverse strength should not be less than 3.0 N/mm² when 6 full size tiles are tested.
2	300x300x23.7	7.1		
3	300x300x24.5	7.0		
4	300x300x24.8	6.5		
5	300x300x25.1	6.3		
6	300x300x24.9	6.4		

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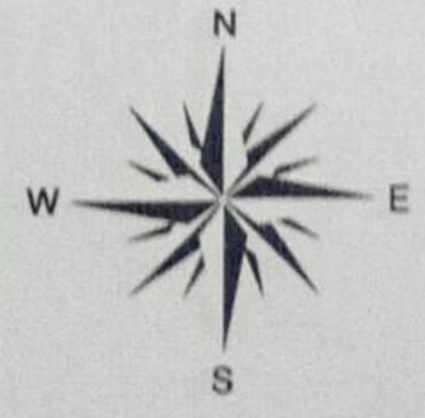

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II. Water Absorption Test

Sl. No.	Measured Dimension in mm	Wet Transverse Strength Test N/mm²	Average N/mm²	Requirement as per IS: 1237-1980(Reaffirmed 2006)
1	300x300x24.8	2.8	2.95	The average percentage of water absorption should not exceed 10% when 6 full size tiles are tested.
2	300x300x23.7	2.9		
3	300x300x24.5	3.1		
4	300x300x24.8	2.9		
5	300x300x25.1	3.2		
6	300x300x24.9	2.8		

III. Hardness:

Sl. No.	Measured Dimension in mm	Moh's scale Hardness No.
1	300x300x24.8	6
2	300x300x23.7	6
3	300x300x24.5	6
4	300x300x24.8	6
5	300x300x25.1	6
6	300x300x24.9	6

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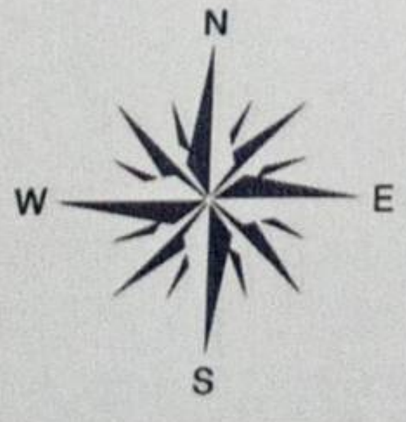

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Test Report on Pre-Polished Cement Concrete Designer Tiles

Name of work:	Providing Stone benches in ward No.01,02,03 & 04
Location:	Banta seva lal park
Client:	Assistant Executive Engineer Project, Yelahanka BBMP, Bangalore
Name of the Agency:	Shri B B Umesh
Online WO:	EE(PROJECT)/YNK ZONE/WO/07/2022-23 DATED: 15/07/2022
Condition of Samples:	Satisfactory
Test According to:	IS: 1237-1980 (Reaffirmed 2006)
Date of Testing:	10.08.22

1. Wet Transverse Strength Test:

Sl. No.	Measured Dimension in mm	Wet Transverse Strength Test N/mm²	Average N/mm²	Requirement as per IS: 1237-1980(Reaffirmed 2006)
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5	300x300x25.1	6.3		
6	300x300x24.9	6.4		

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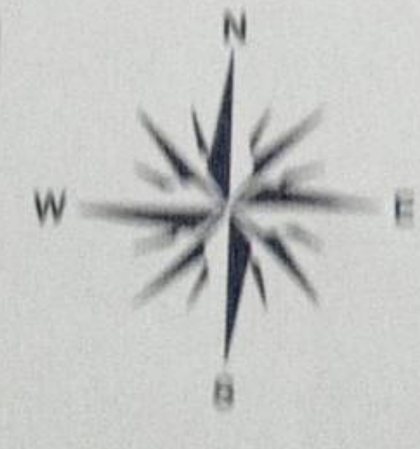

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III. Hardness:

Sl. No.	Measured Dimension in mm	Moh's scale Hardness No.
1	300x300x24.8	6
2	300x300x23.7	6
3	300x300x24.5	6
4	300x300x24.8	6
5	300x300x25.1	6
6	300x300x24.9	6

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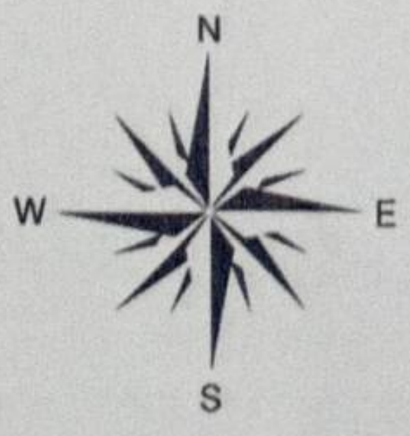

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Test Report on Pre-Polished Cement Concrete Designer Tiles

Name of work:	Providing Stone benches in Ward No.01,02,03 & 04
Location:	Sandesh unnikrishnan road
Client:	Assistant Executive Engineer Project, Yelahanka BBMP, Bangalore
Name of the Agency:	Shri B B Umesh
Online WO:	EE(PROJECT)/YNK ZONE/WO/07/2022-23 DATED:15/07/2022
Condition of Samples:	Satisfactory
Test According to:	IS: 1237:1980 (Reaffirmed 2006)
Date of Testing:	11.08.22

1. Wet Transverse Strength Test:

Sl. No.	Measured Dimension in mm	Wet Transverse Strength Test N/mm²	Average N/mm²	Requirement as per IS: 1237-1980(Reaffirmed 2006)
1	300x300x24.8	6.6	6.66	The average wet transverse strength should not be less than 3.0 N/mm² when 6 full size tiles are tested.
2	300x300x23.7	7.1		
3	300x300x24.5	7.0		
4	300x300x24.8	6.6		
5	300x300x25.1	6.3		
6	300x300x24.9	6.4		

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II. Water Absorption Test

Sl. No.	Measured Dimension in mm	Wet Transverse Strength Test N/mm²	Average N/mm²	Requirement as per IS: 1237-1980(Reaffirmed 2006)
1	300x300x24.8	2.8	2.95	The average percentage of water absorption should not exceed 10% when 6 full size tiles are tested.
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3	300x300x24.5	3.1		
4	300x300x24.8	2.9		
5	300x300x25.1	3.2		
6	300x300x24.9	2.8		

III. Hardness:

Sl. No.	Measured Dimension in mm	Moh's scale Hardness No.
1	300x300x24.8	6
2	300x300x23.7	6
3	300x300x24.5	6
4	300x300x24.8	6
5	300x300x25.1	6
6	300x300x24.9	6

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Test Report on Pre-Polished Cement Concrete Designer Tiles

Name of work:	Providing Stone benches in ward No.01,02,03 & 04
Location:	Nethaji park yalahanka
Client:	Assistant Executive Engineer Project, Yelahanka BBMP, Bangalore
Name of the Agency:	Shri B B Umesh
Online WO:	EE(PROJECT)/YNK ZONE/WO/07/2022-23 DATED:15/07/2022
Condition of Samples:	Satisfactory
Test According to:	IS: 1237-1980 (Reaffirmed 2006)
Date of Testing:	11-08-22

I. Wet Transverse Strength Test:

Sl. No.	Measured Dimension in mm	Wet Transverse Strength Test N/mm²	Average N/mm²	Requirement as per IS: 1237-1980(Reaffirmed 2006)
1	300x300x24.8	6.6	6.65	The average wet transverse strength should not be less than 3.0 N/mm² when 6 full size tiles are tested.
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6	300x300x24.9	6.4		

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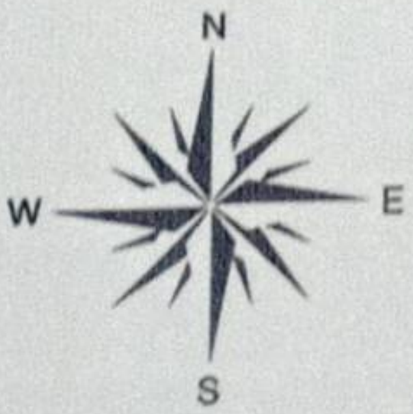

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5	300x300x25.1	3.2		
6	300x300x24.9	2.8		

III. Hardness:

Sl. No.	Measured Dimension in mm	Moh's scale Hardness No.
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3	300x300x24.5	6
4	300x300x24.8	6
5	300x300x25.1	6
6	300x300x24.9	6

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Test Report on Pre-Polished Cement Concrete Designer Tiles

Name of work:	Providing Stone benches in ward No.01,02,03 & 04
Location:	Major Sandeep Unnikrishanan road
Client:	Assistant Executive Engineer Project, Yelahanka BBMP, Bangalore
Name of the Agency:	Shri B B Umesh
Online WO:	EE(PROJECT)/YNK ZONE/WO/07/2022-23 DATED:15/07/2022
Condition of Samples:	Satisfactory
Test According to:	IS: 1237-1980 (Reaffirmed 2006)
Date of Testing:	10-08-22

I. Wet Transverse Strength Test:

Sl. No.	Measured Dimension in mm	Wet Transverse Strength Test N/mm²	Average N/mm²	Requirement as per IS: 1237-1980(Reaffirmed 2006)
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5	300x300x25.1	6.3		
6	300x300x24.9	6.4		

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II. Water Absorption Test

Sl. No.	Measured Dimension in mm	Wet Transverse Strength Test N/mm²	Average N/mm²	Requirement as per IS: 1237-1980(Reaffirmed 2008)
1	300x300x24.8	3.8	3.95	The average percentage of water absorption should not exceed 10% when 6 full size tiles are tested.
2	300x300x23.7	3.9		
3	300x300x24.5	3.1		
4	300x300x24.8	3.9		
5	300x300x25.1	3.2		
6	300x300x24.9	3.8		

III. Hardness:

Sl. No.	Measured Dimension in mm	Moh's scale Hardness No.
1	300x300x24.8	6
2	300x300x23.7	6
3	300x300x24.5	6
4	300x300x24.8	6
5	300x300x25.1	6
6	300x300x24.9	6

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